

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2075 - L2 Version 3  
Chandra X-Ray Center

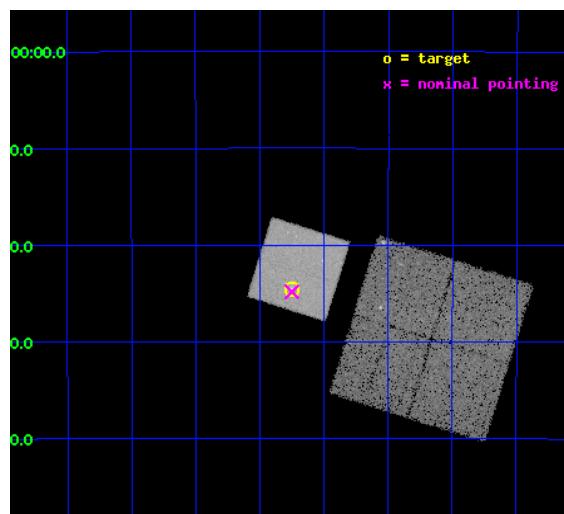
L2 Processing Date : Sep 14 2012

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# 1 Front

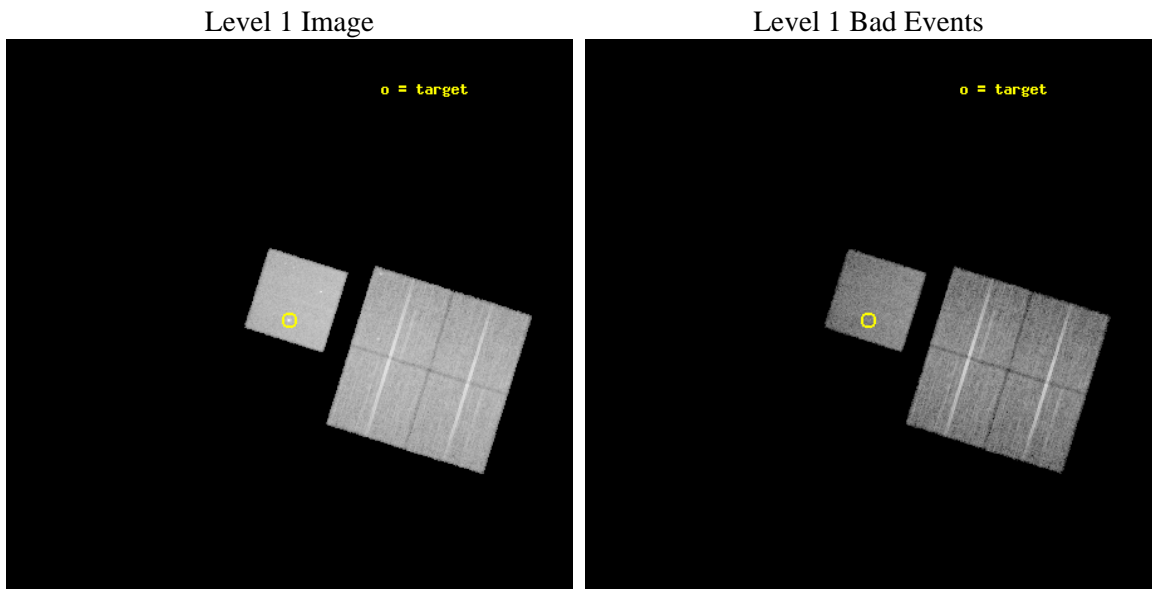
seq_num	600209	Sequence number
obs_id	2075	Observation id
title	STELLAR FEEDBACK AND THE EVOLUTION OF DWARF GALAXIES	Proposal titl
observer	Dr. Crystal Martin	Principal investigator
object	HE 2-10	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.063125	Observer's specified target RA [deg]
dec_targ	-26.409444	Observer's specified target Dec [deg]
ra_nom	129.06266772	Nominal RA [deg]
dec_nom	-26.413903505525	Nominal Dec [deg]
roll_nom	287.4264420816	Nominal Roll [deg]
revision	3	Processing version of data
ontime	20016.699961513	Sum of GTIs [s]
livetime	19755.167040436	Livetime [s]
ontime0	20016.699961513	Sum of GTIs [s]
ontime1	20016.699961513	Sum of GTIs [s]
ontime2	20013.559031188	Sum of GTIs [s]
ontime3	20016.699961513	Sum of GTIs [s]
ontime7	20016.699961513	Sum of GTIs [s]
l2events	120464	Number of level 2 events



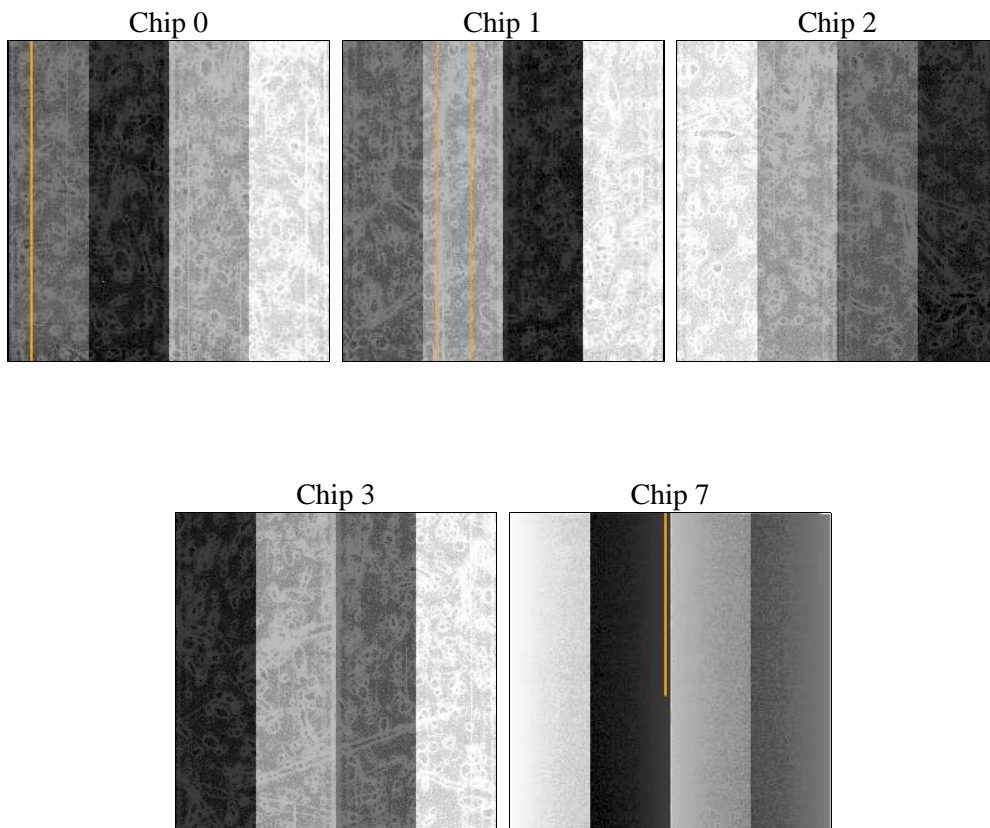
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20016.699961513	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime0	20016.699961513	Sum of GTIs [s]
date	2012-09-14T05:57:07	Date and time of file creation	ontime1	20016.699961513	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	20013.559031188	Sum of GTIs [s]
			ontime3	20016.699961513	Sum of GTIs [s]
			ontime7	20016.699961513	Sum of GTIs [s]
			l1events	683464	Number of level 1 events

### 2.1.4 Events

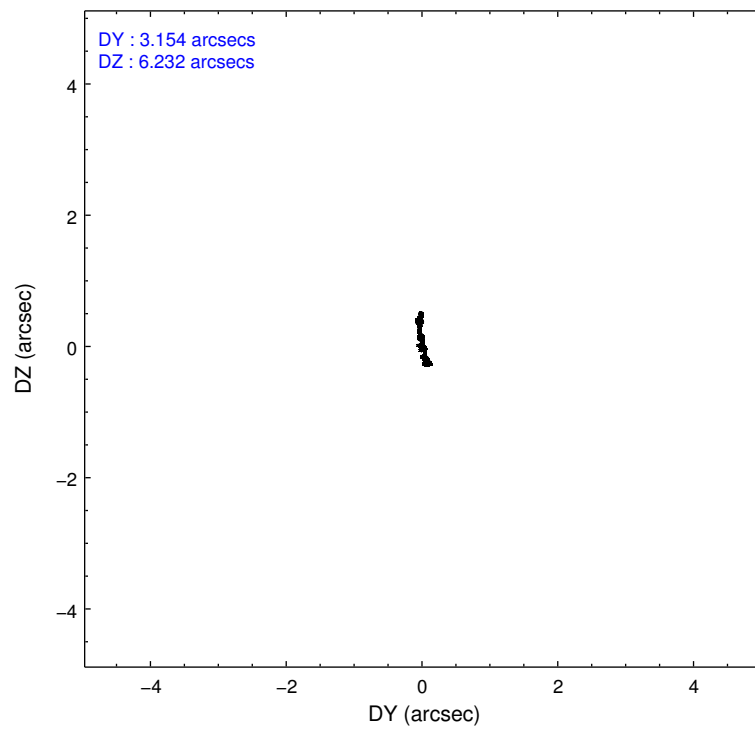
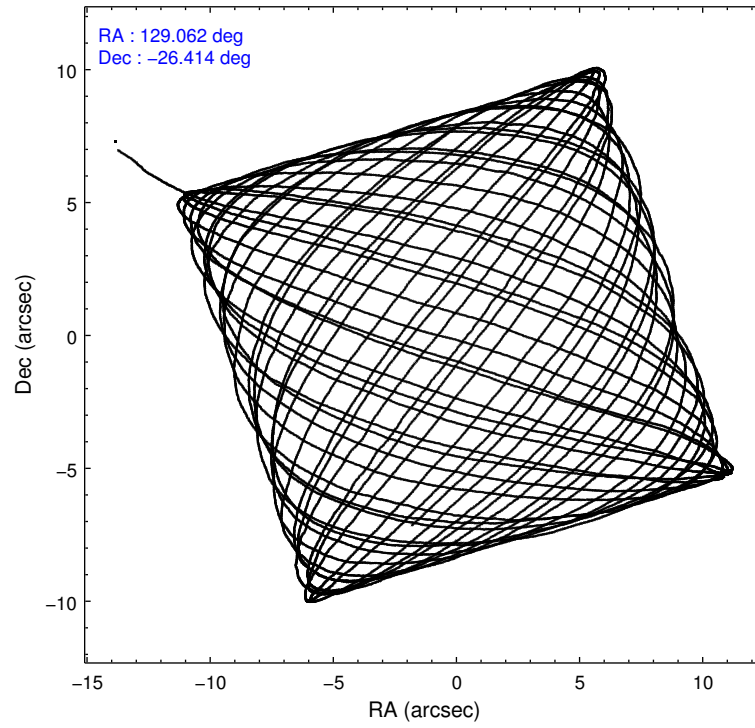
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	121423	120822	136844	132954	171421
rejected events	106483	105050	122377	117998	99994
rejected %	87%	86%	89%	88%	58%

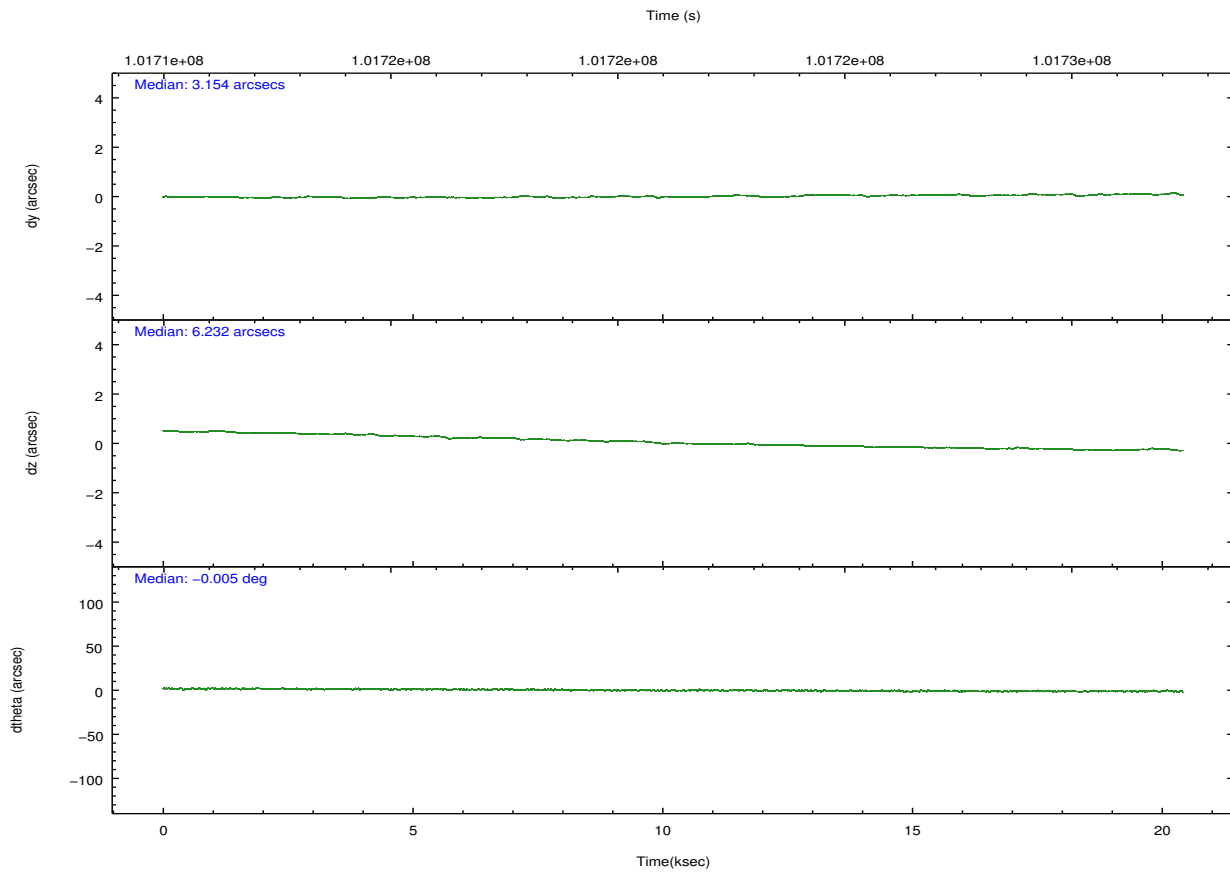
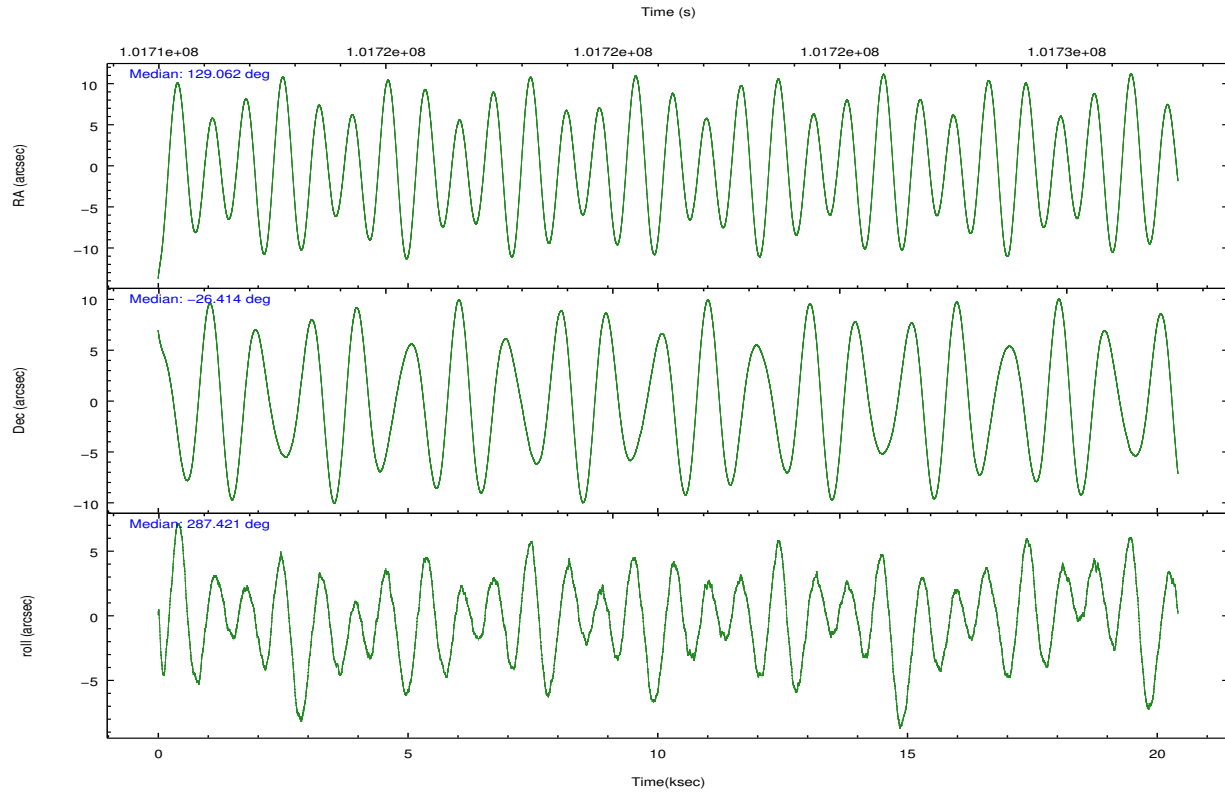
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	6192	6209	6114	6491	7303
	5%	5%	4%	4%	4%
grade 1 events	59	55	76	73	160
	0%	0%	0%	0%	0%
grade 2 events	3175	3146	3091	2924	13939
	2%	2%	2%	2%	8%
grade 3 events	1571	1639	1379	1481	6577
	1%	1%	1%	1%	3%
grade 4 events	1398	1705	1399	1403	6585
	1%	1%	1%	1%	3%
grade 5 events	4703	5057	4501	4979	16323
	3%	4%	3%	3%	9%
grade 6 events	2614	3081	2491	2663	37040
	2%	2%	1%	2%	21%
grade 7 events	101711	99930	117793	112940	83494
	83%	82%	86%	84%	48%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	129.040012	129.0626677199996	Subarray requested	NONE	NONE
[deg] Pointing Dec	-26.395628	-26.41390350552534	Alternating exposures requested	N	N
[deg] Pointing Roll	287.259738	287.4264420815983	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	101711423.184000	101710343.03407			
Observation start date	2001-03-23T05:09:19	2001-03-23T04:52:23			
[s] Observation end time (MET)	101731423.184000	101732264.70992			
Observation end date	2001-03-23T10:42:39	2001-03-23T10:57:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect



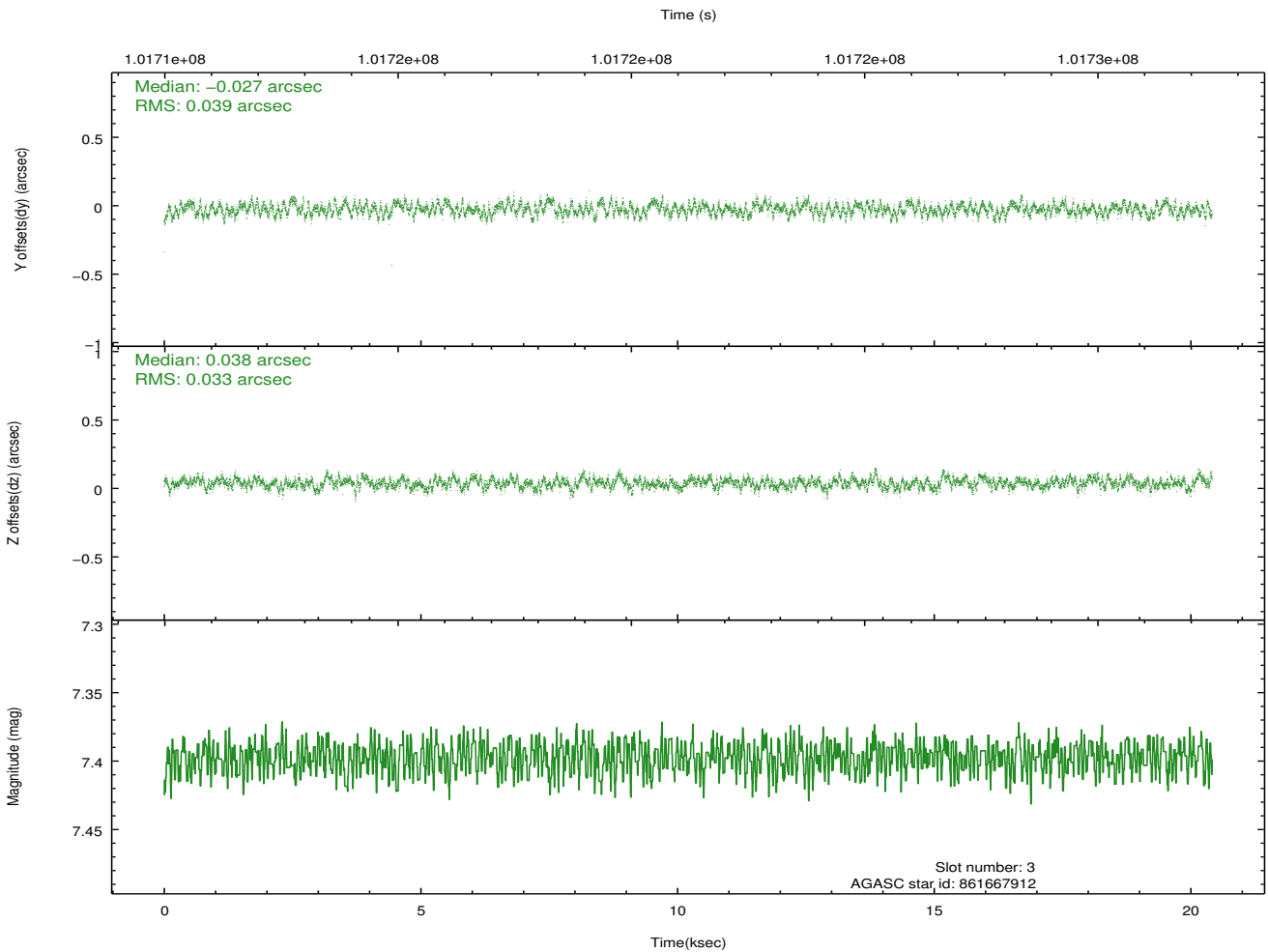
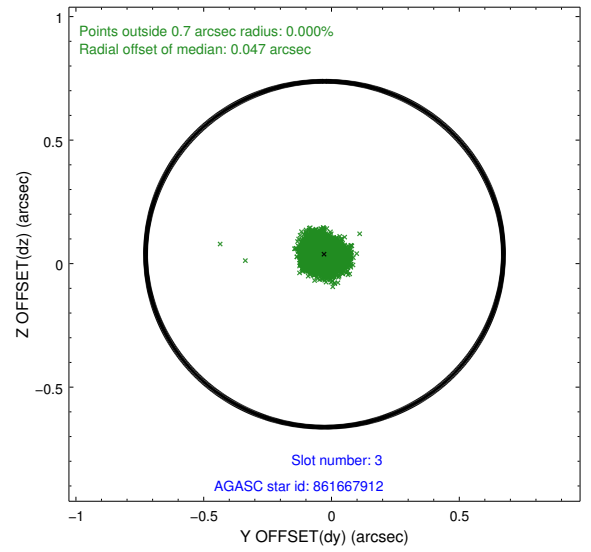
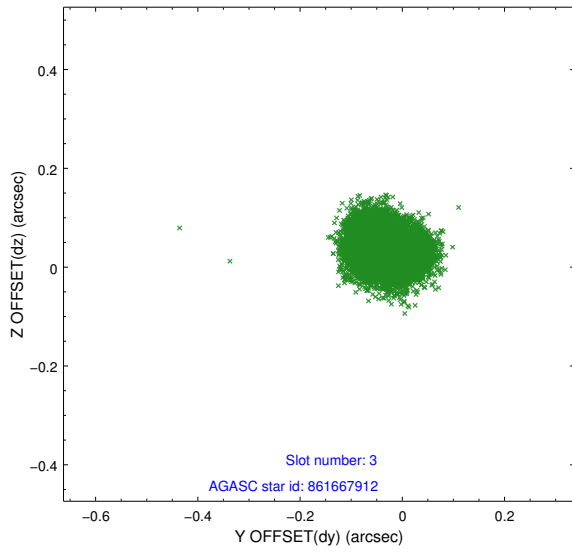


### Slot Statistics

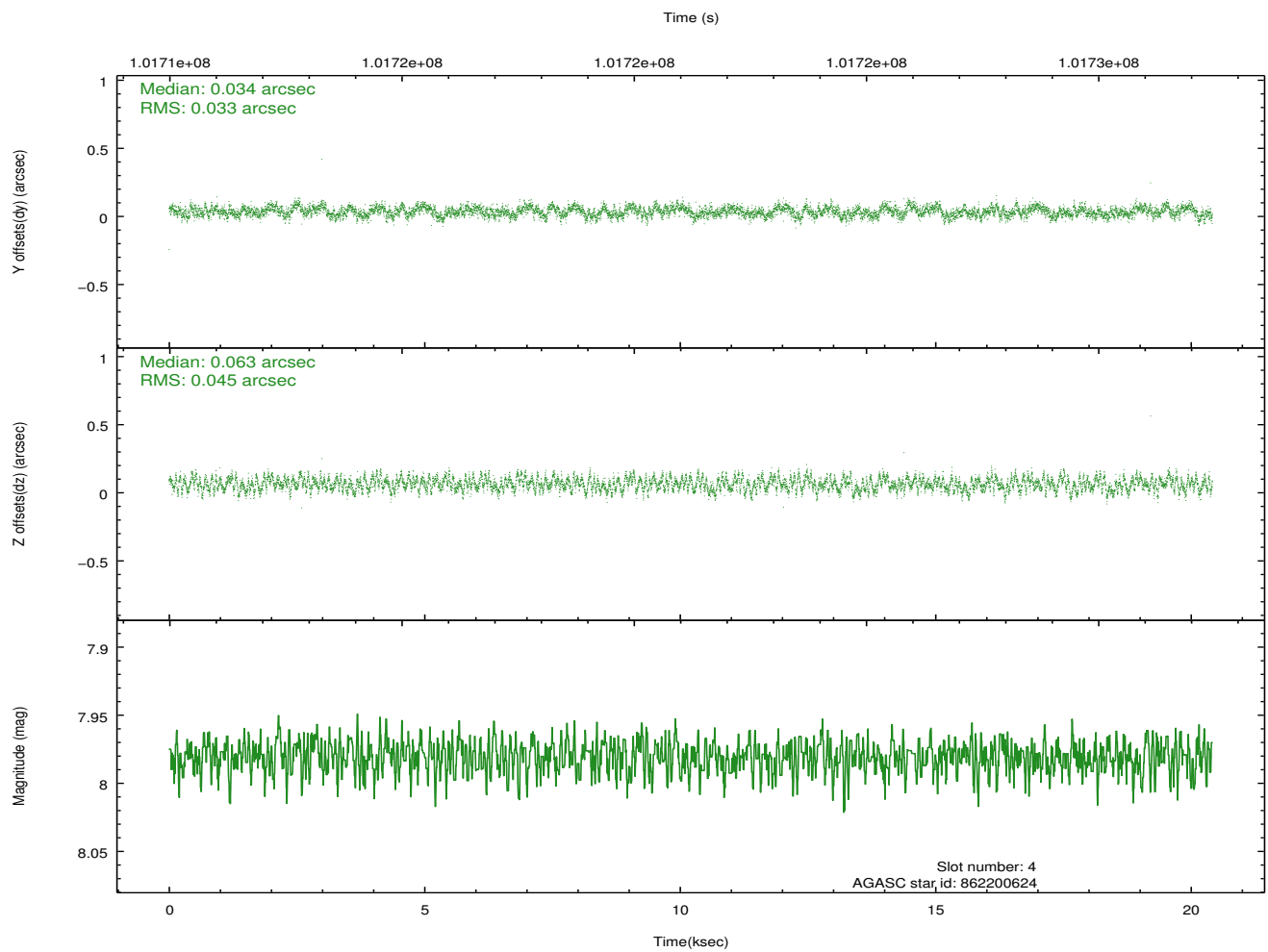
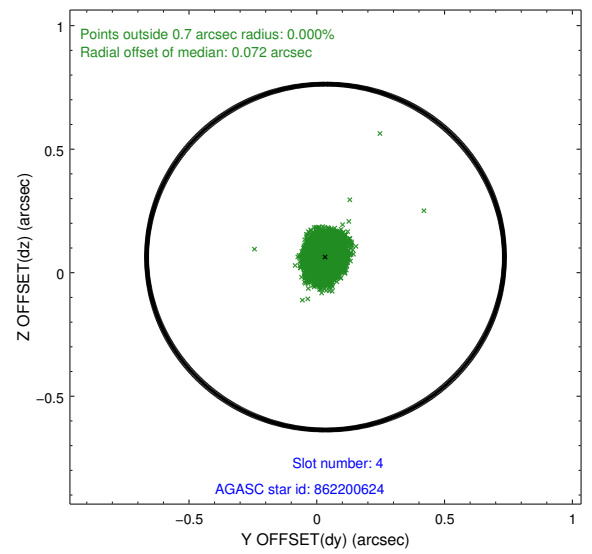
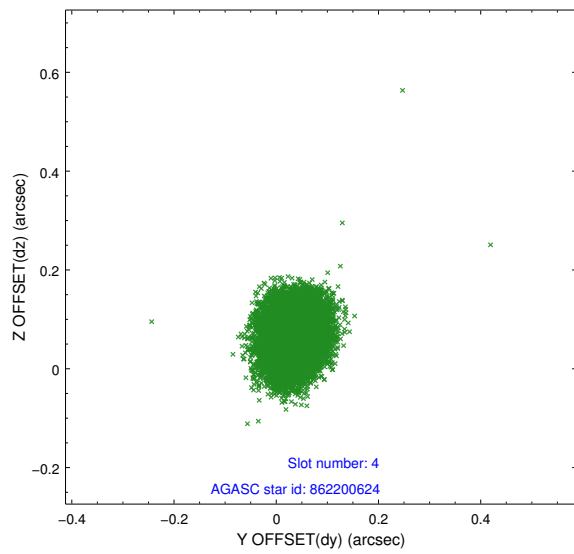
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	4978	0.006	-0.049	0.014	0.022	0.000000	0.000000	940.22	-1723.13
1	FID	ACIS-S-5	7.24	4978	0.000	0.009	0.009	0.014	0.000000	0.000000	-1808.67	174.32
2	FID	ACIS-S-6	7.35	4980	-0.028	0.051	0.011	0.017	0.000000	0.000000	405.57	818.51
3	GUIDE	861667912	7.40	9959	-0.027	0.038	0.054	0.085	129.285259	-26.073114	-872.47	1102.42
4	GUIDE	862200624	7.98	9957	0.034	0.063	0.060	0.093	129.566020	-26.641440	1350.84	1353.94
5	GUIDE	862224784	9.58	9955	0.097	-0.073	0.095	0.153	128.724185	-26.676275	665.34	-1269.39
6	GUIDE	861681088	8.81	9958	-0.046	0.010	0.057	0.092	128.531518	-25.877555	-2266.17	-1019.97
7	GUIDE	861688080	9.68	9952	-0.061	-0.037	0.091	0.145	128.292216	-26.038763	-1937.63	-1930.30

## 2.4 Star Slots

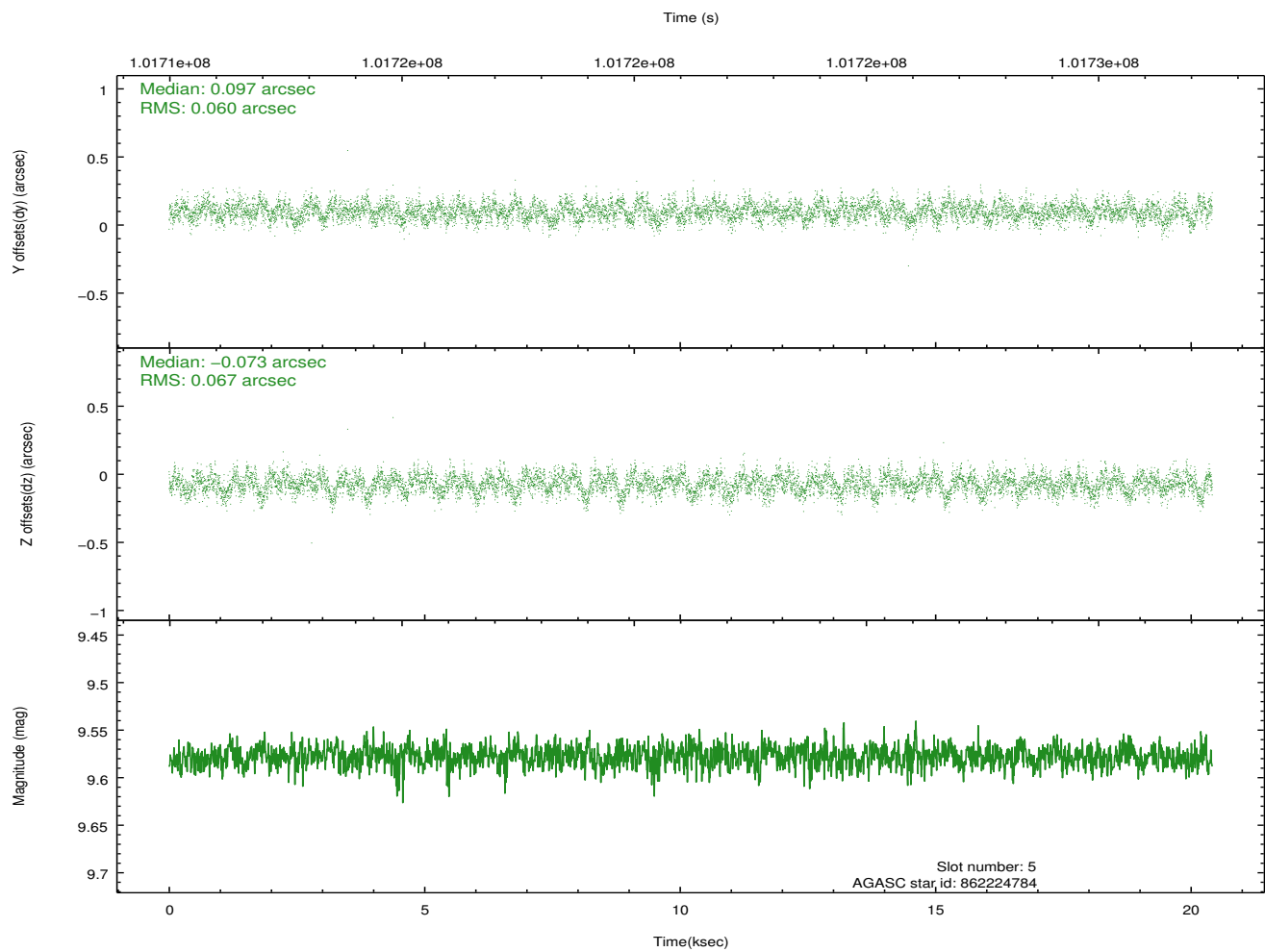
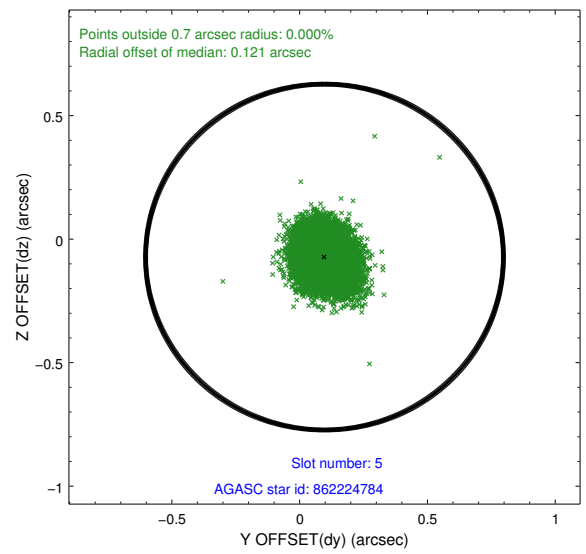
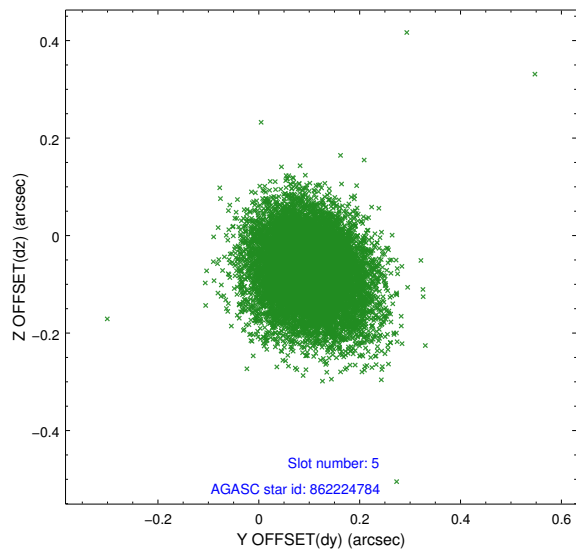
### 2.4.1 Slot 3



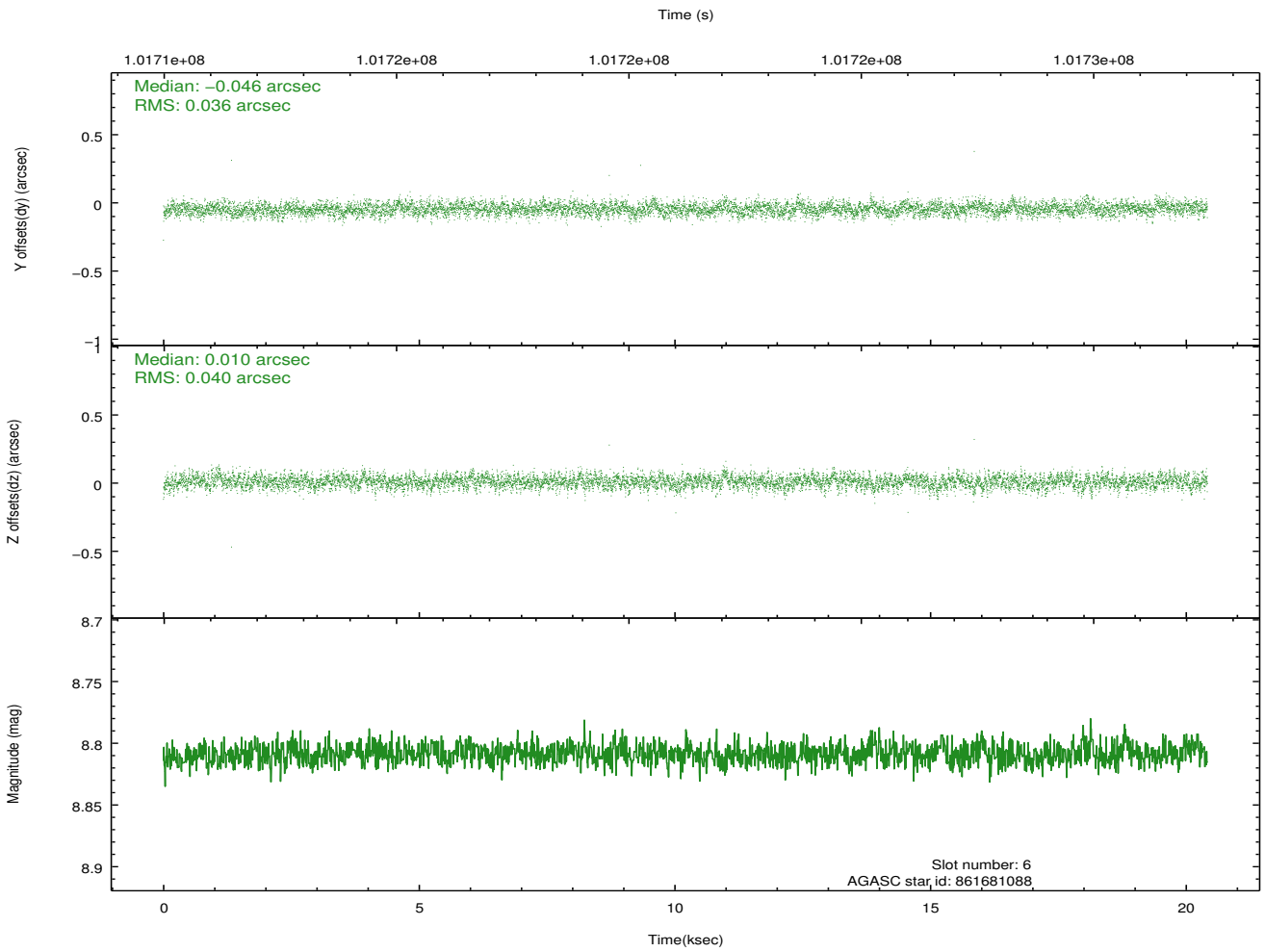
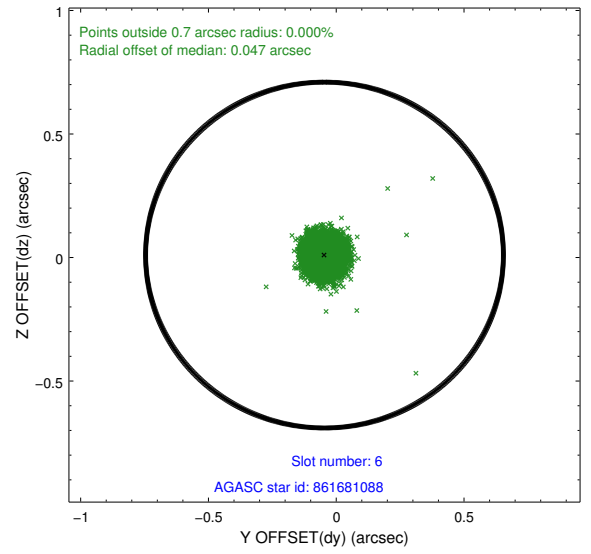
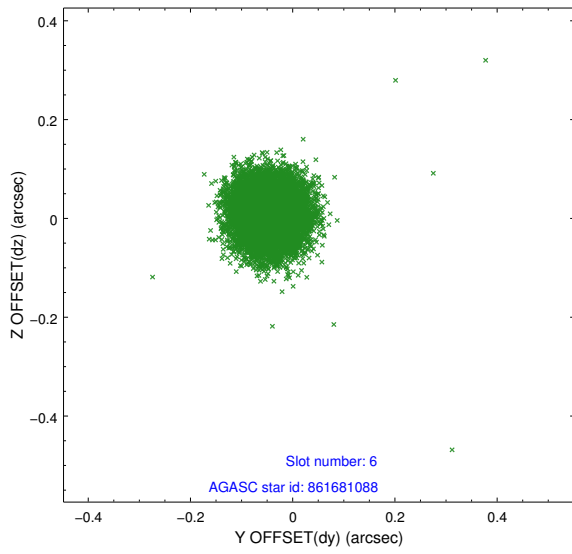
## 2.4.2 Slot 4



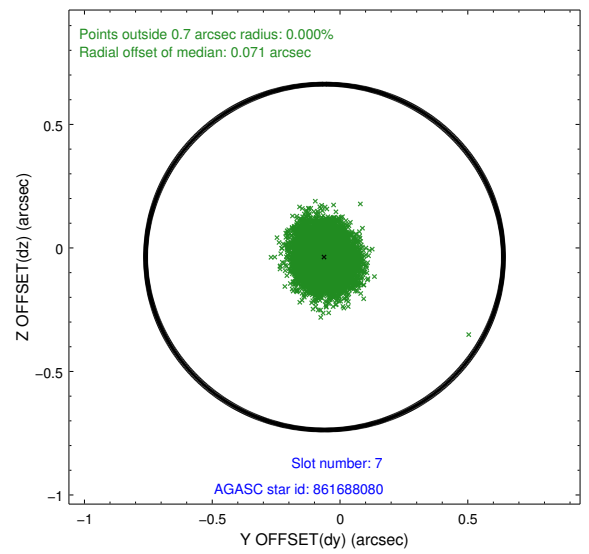
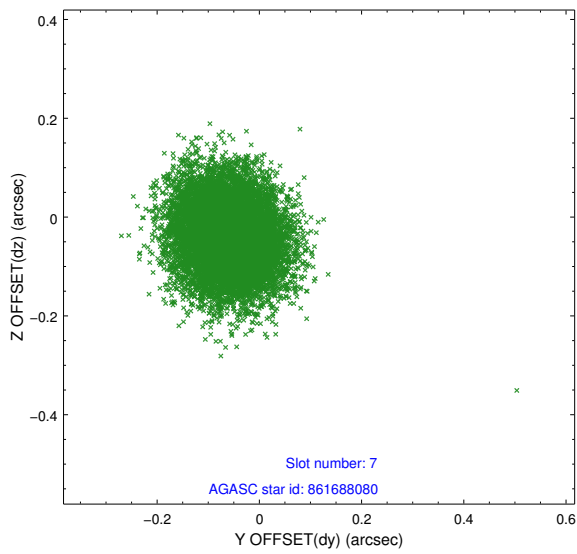
### 2.4.3 Slot 5



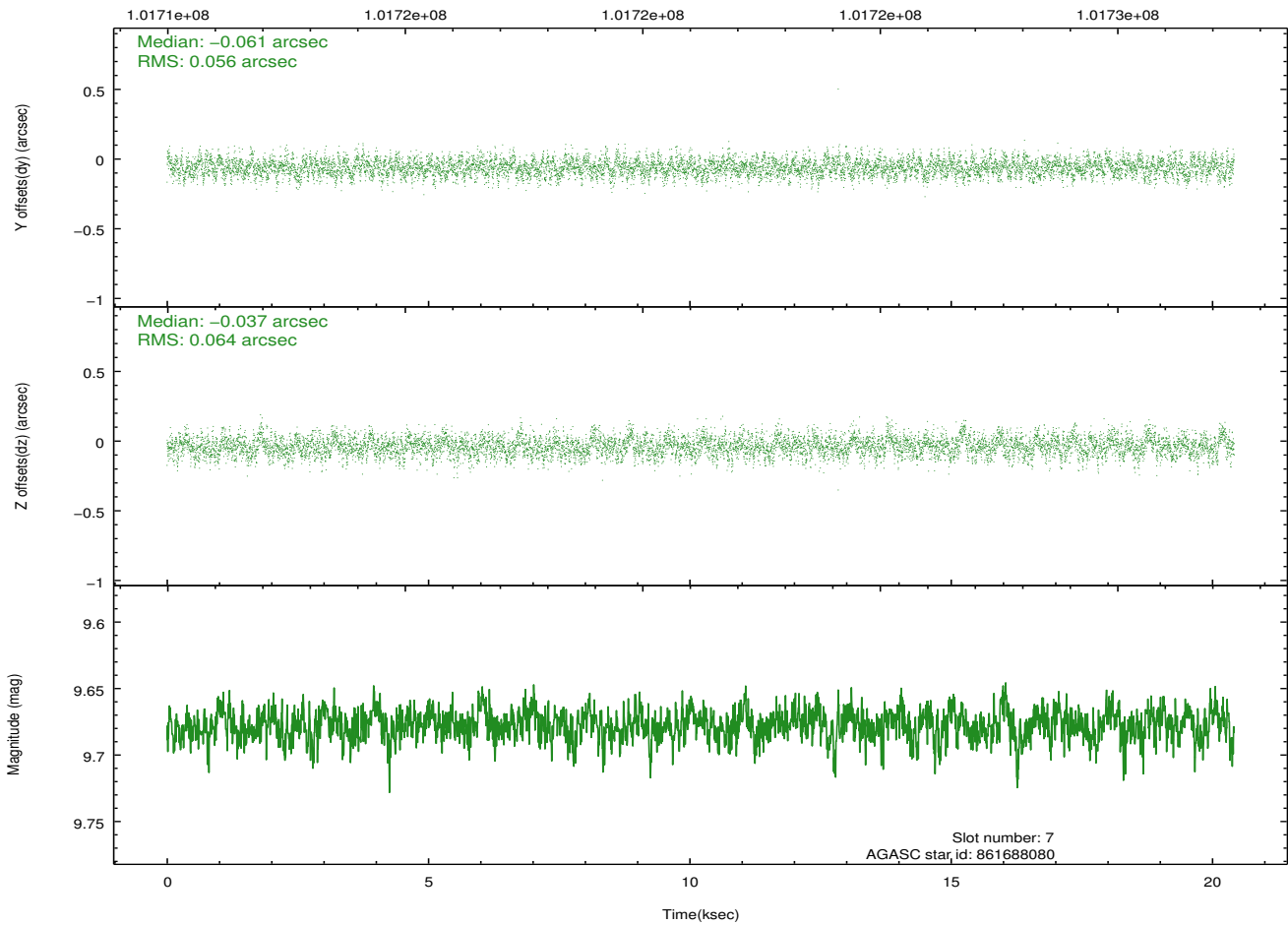
### 2.4.4 Slot 6



## 2.4.5 Slot 7

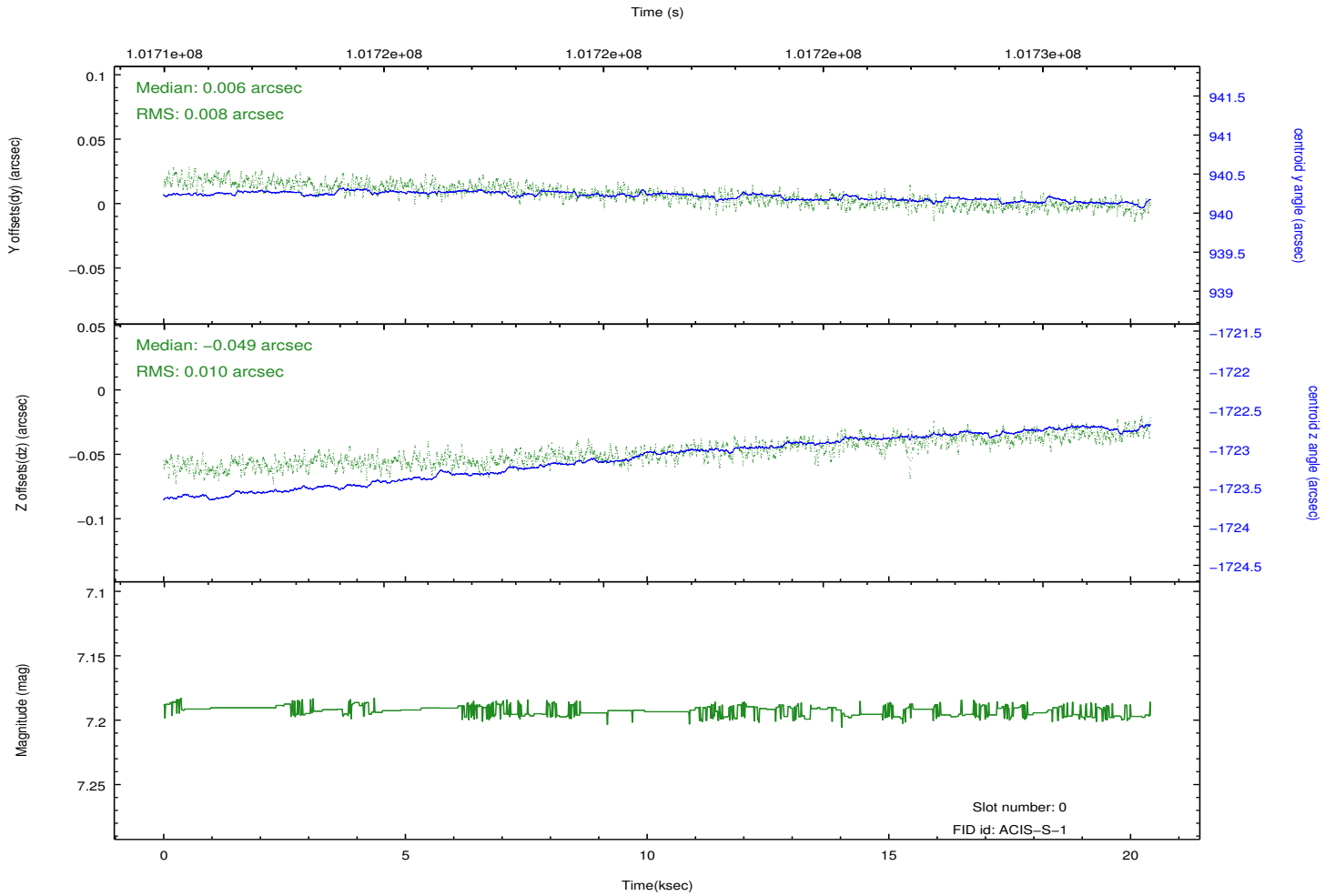
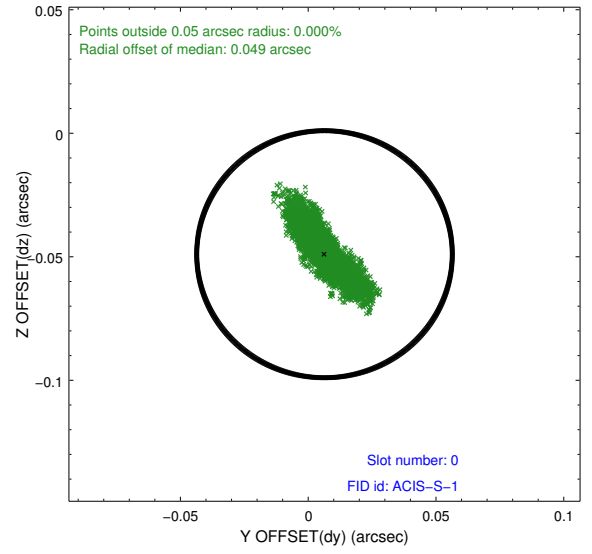
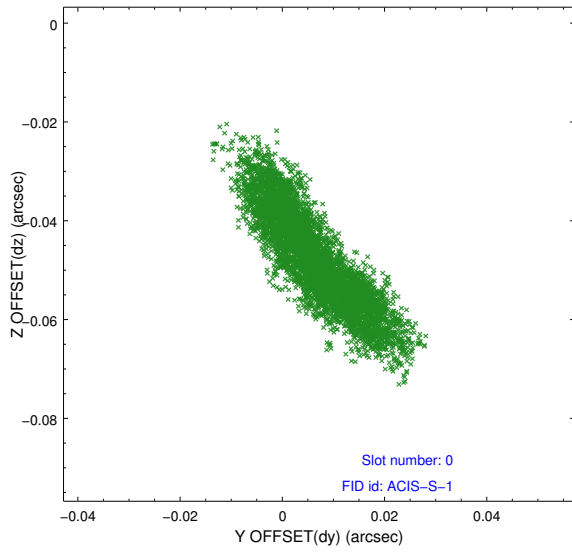


Time (s)

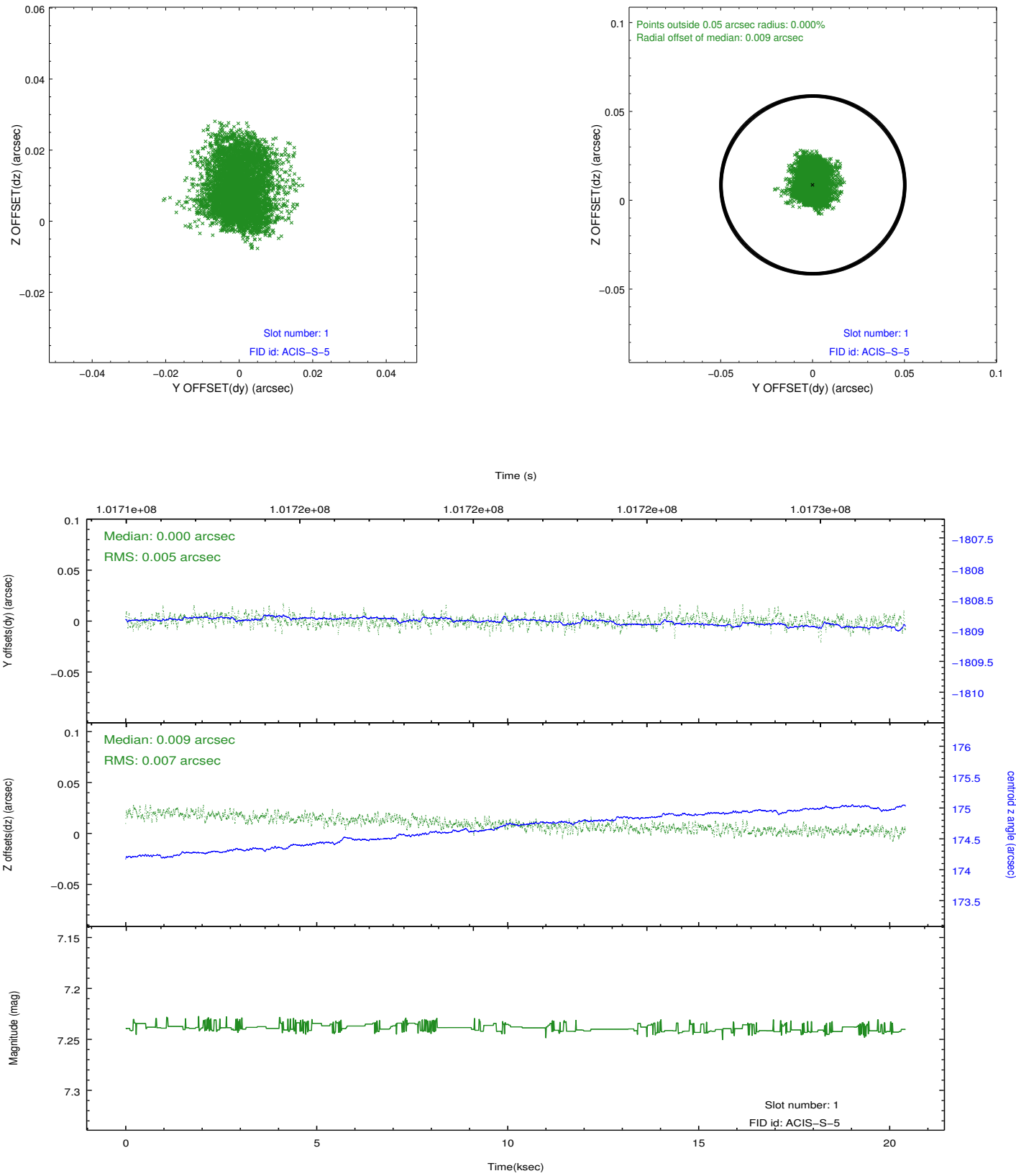


## 2.5 FID Slots

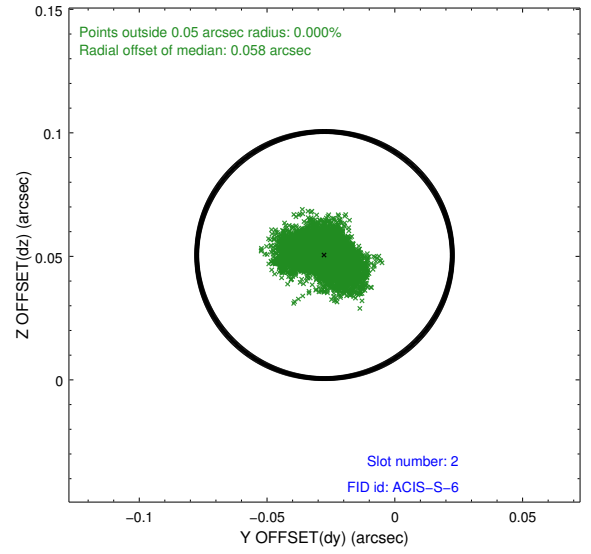
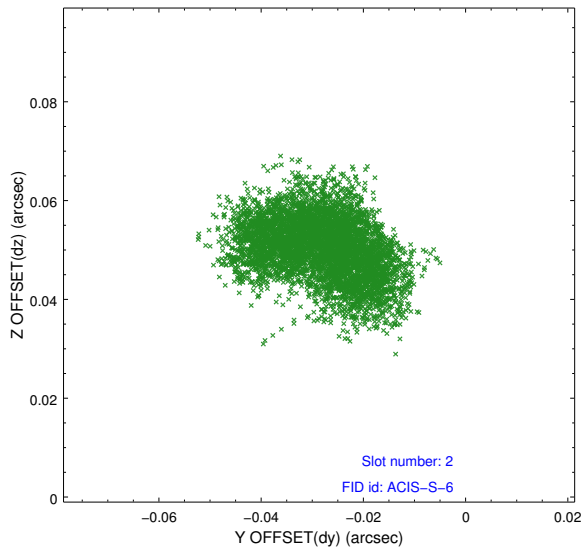
### 2.5.1 Slot 0



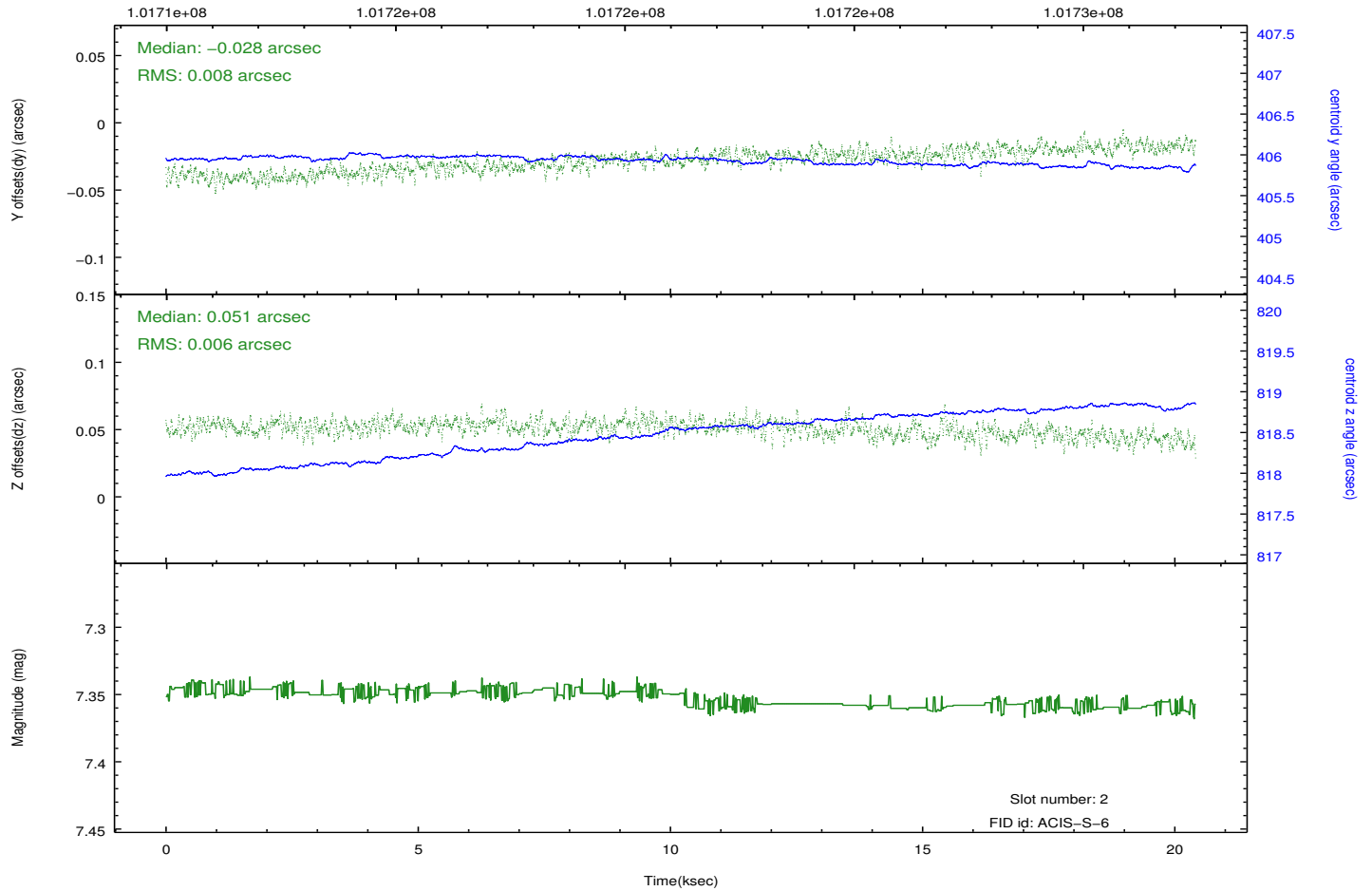
## 2.5.2 Slot 1



### 2.5.3 Slot 2



Time (s)



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.019

## A.2 Comments